

CRN# \_\_\_\_\_

NATL.BD# 72742SERIAL# 74729**Reimers**  
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## NAMEPLATE RATINGS:

PART NUMBER RBH20C3FMODEL RH-20POWER SUPPLY WIRE SIZE 4POWER VOLTS 208CONTROL VOLT 120PHASE 3HZ 60MAX. W.P. 100KILOWATTS 20CERTIFICATION & REPORTING (CG-500) CSD-1  
OPERATIONAL TEST/ELECTRIC AND STEAMDATE (M/D/Y) 4/14/2015UL FILE # E39545WIRING DIAGRAM # 069, 101, 110, 120, 131REV 5

## DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 1200 SAT ☒ UNSAT ☐PERFORMED BY OC DATE 4/14/15HYDRO TEST OF  
COMPLETE BOILERP.S.I.G. 100PERFORMED BY OCDATE 4/14/15

## HEATING ELEMENT TEST

VOLTS 208AMPS 64.1TOTAL WATT 20KAmps tested onCHECKOUT 240V

1. APPEARANCE ☒
2. BLOWDOWN MAN ☒ AUTO ☐
3. TRANSFORMER ☐
4. CONDENSATE TANK ☐
5. CONTROLS ☒
6. FEED WATER VALVES ☒
7. INSTRUCTION MANUAL ☒
8. LEAK INSPECTION ☒
9. PAINT ☒
10. PANEL ☒
11. PIPES ☒
12. SHEET METAL ☒
13. STEAM VALVE ☒
14. STEAM GAUGE ☒
15. STRAINER ☒
16. CHECK TORQUE ON TERMINAL STRIPS,  
CONTACTORS AND FUSE BLOCKS ☒
17. WARNING LABELS ☒
18. WATER GAUGE FITTINGS ☒
19. WIRE TERMINALS TIGHT ☒
20. WIRING DIA. ☒
21. ELEMENT QTY. 2
22. ELEMENT VOLT/KW 208/10
23. NAMEPLATE ☒
24. JURISDICTION = VA
25. FUEL = ELECTRIC

## SAFETY LIMIT CONTROLS (REF: ASME CSD-1, CG-500)

## SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED OCDATE 4/14/15MANUFACTURER CONBRACOModel # 29-202A-100STEAM BOILER ☒HOT WATER BOILER ☐MAX. W. P. 100 PSIG (VALVE ASME PLATE)

MAX. W. P. \_\_\_\_\_ PSIG (VALVE ASME PLATE)

CAPACITY 423 PPH (VALVE ASME PLATE)

CAPACITY \_\_\_\_\_ BTU/HR (VALVE ASME PLATE)

SIZE 1/2 IN

SIZE \_\_\_\_\_ IN

REQUIRED CAPACITY (PPH = 3.5 x kW) 105 PPH

REQUIRED CAPACITY (BTU/HR = 3412 x kW) \_\_\_\_\_ BTU/HR

MAX. TEMPERATURE \_\_\_\_\_ °F

## OPERATIONAL TEST SETTING

| LOW WATER CUTOFF     | PERFORMED BY | PSI/°F | DATE           | MANUFACTURER | MODEL # | PART# |
|----------------------|--------------|--------|----------------|--------------|---------|-------|
| AUTO RESET           | N/A          | X      |                |              |         |       |
| MANUAL RESET         | <u>OC</u>    | X      | <u>4/14/15</u> | REIMERS      | 04316   | 04316 |
| PRESSURE CONTROLS    |              |        |                |              |         |       |
| HIGH LIMIT           | <u>OC</u>    | 90     | <u>4/14/15</u> | TECMARK      | 3155-ED | 04296 |
| OPERATING #1         | <u>OC</u>    | 60     | <u>4/14/15</u> | TECMARK      | 3156-EC | 04163 |
| OPERATING #2         | N/A          |        |                |              |         |       |
| TEMPERATURE CONTROLS |              |        |                |              |         |       |
| HIGH LIMIT           | N/A          |        |                |              |         |       |
| OPERATING CONTROL    |              |        |                |              |         |       |

Representing Reimers Electra Steam, INC. (Name) David E. CoffDATE 4/14/15 Signature D E Coff

Representing Installer Contractor (Name) \_\_\_\_\_

DATE \_\_\_\_\_ Signature \_\_\_\_\_



0030844

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## Work Order Traveler

SCHEDULED START: 04/09/15

0030844

DUE DATE: 04/10/15

ITEM NUMBER: **RBH20C3F**QUANTITY: **1.00**DESCRIPTION: **BOILER RBH 20KW 208V 3PH 100#**

UNIT OF MEASUREMENT: EA

REVISION: 003

OPTION CODE:

MAKE FOR: I/M

PLANNER:

| QTY | PART        | DESCRIPTION                    | QTY        | PART | DESCRIPTION |
|-----|-------------|--------------------------------|------------|------|-------------|
| 1   | 04701       | CARTON RB 30W 35L 28.75H SLOT  |            |      |             |
| 1   | 02539       | CONTACTOR 75A 120V 3P UL/CSA   |            |      |             |
| 1   | 20838       | CONTROLLER 04316-EBC-LED       |            |      |             |
| 1   | 04781       | COUPLING .5" BRASS B16.15 125  |            |      |             |
| 1   | 20775-11    | COVER ELEMENT TERMINALS RB REV |            |      |             |
| 1   | 20775-7     | COVER RIGHT ELEC BOX RB REV3   |            |      |             |
| 1   | 04229       | DECAL SHEET                    |            |      |             |
| 1   | 04813       | DINCONNECTOR/CORD FOR RB BOILE |            |      |             |
| 1   | 20847       | DISC, ORF-20 20KW STEAM ORIFIC |            |      |             |
| 1   | 03923       | ELBOW .5" TUBE X .375" NPT SB  |            |      |             |
| 2   | 04164       | ELEMENT 208V 10KW 3PH B-DIM.=1 |            |      |             |
| -2  | 20598       | FLANGE BLIND 2.5" SQ. 4 BOLT   |            |      |             |
| 1   | 02655       | FUSE 250V 5A UL/CSA            |            |      |             |
| -2  | 02281-TOPOC | GASKET 2.5"X .125"t TOPOG-E    |            |      |             |
| 1   | 20863       | LABEL MAX. TORQUE 50. LB IN /0 |            |      |             |
| 1   | 20860       | LABEL MAX. TORQUE 7.0 LB IN /0 |            |      |             |
| 1   | 04301       | LABEL NAMEPLATE UL/CSA 3.48 X  |            |      |             |
| 2   | 03077       | LOCKWASHER .25" STEEL HELICAL  |            |      |             |
| 1   | 20840       | MANIFOLD FEED WATER SUBASSY RB |            |      |             |
| 1   | 04668       | NIPPLE .25" X 1.125" BRASS SCH |            |      |             |
| 1   | 04787       | NUT .25-20 WING ZINC PLATED    |            |      |             |
| 2   | 01351       | NUT .25-20HEX JAM PLATE        |            |      |             |
| 1   | 04163       | PRESSURE CONTROL 60# OPERATING | OC 4/14/15 |      |             |
| 1   | 04296       | PRESSURE CONTROL 90# HI LIMIT  | OC 4/14/15 |      |             |
| 1   | 20842       | PRESSURE CONTROL MANIFOLD RB R |            |      |             |
| 1   | 04661       | PRESSURE GAUGE 2.0" .25" 0-160 |            |      |             |
| 1   | 20775-9     | PUMP BASE MOUNTING BRACKET     |            |      |             |
| 1   | 20992       | PUMP SUBASSY 03693 120V 1 PH   |            |      |             |
| 1   | 04593       | SCREW .25-20 X .75 HEX CAP PLA |            |      |             |
| 1   | 04760       | SCREW 1/4"-20 X .75" PAN HEAD  |            |      |             |
| 8   | 01291       | SCREW 8-32X.25RDHD SLT MCH ZI  |            |      |             |
| 6   | 01246       | SCREW 8-32X.375RDHD MCH PLT SL |            |      |             |
| 1   | 04731       | STUD PRESS-IN THREADED .25"-20 |            |      |             |
| 1   | RB30-SUBAS  | SUBASSEMBLY RB 10 THRU 30 BOIL |            |      |             |
| 6   | 04080       | TERMINAL RING FOR # 8 AWG WIR  |            |      |             |
| 1   | 03818       | TICKET HOLDER FOR SHOP CLEAR F |            |      |             |
| 1   | 02490       | VALVE BALL .5" 200# SWP        |            |      |             |
| 1   | 03346       | VALVE BALL .5" W/LATCH 200 SWP | OC 4/14/15 |      |             |
| 1   | 02637       | VALVE SAFETY .5" 100# SWP 1" O |            |      |             |
| 10  | 04440       | WIRE #8 PTFE INS. W/GLASS SLEE |            |      |             |
| 2   | 04789       | WIRE SADDLE NYLON LOCKING      |            |      |             |